

MAJOR
F - FINAL
EFFLUENT

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

OMB NO. 2040-0004
Approval Expires 05-31-98

* I N G 0 0 0 1 0 8 0 0 3 A 0 9 0 2 *

For Any Questions call Jeff Ewick at 317-233-0676

***** NO DISCHARGE ☒ *****

NOTE: Read Instructions before completing this form

*** NO DISCHARGE ☒ ***
NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. OF ANALYSIS	FREQUENCY OF SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
PH		SAMPLE MEASUREMENT	*****	*****		No Discharge	*****	No Discharge	(12)	0	WEEKLY	GRAB
00400	1 0 0	PERMIT	*****	*****	*****	MINIMUM 6	*****	MAXIMUM 9	SU			
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC		SAMPLE MEASUREMENT	*****	*****		No Discharge	No Discharge	MAXIMUM 15.0	(19)	0	WEEKLY	GRAB
00560	1 0 0	PERMIT	*****	*****	*****	*****	*****	DAILY/MX	MG/L			
EFFLUENT GROSS VALUE		REQUIREMENT	*****	*****		No Discharge	No Discharge	DAILY/MX	(19)	0	WEEKLY	GRAB
CARBON, TOT ORGANIC (TOC)		SAMPLE MEASUREMENT	*****	*****		No Discharge	No Discharge	DAILY/MX	(19)	0	WEEKLY	GRAB
00680	1 0 0	PERMIT	*****	*****	*****	*****	*****	DAILY/MX	MG/L			
EFFLUENT GROSS VALUE		REQUIREMENT	*****	*****		No Discharge	No Discharge	DAILY/MX	(19)	0	WEEKLY	GRAB
znone		SAMPLE MEASUREMENT										
		PERMIT										
znone		REQUIREMENT										
		SAMPLE MEASUREMENT										
		PERMIT										
znone		REQUIREMENT										
		SAMPLE MEASUREMENT										
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		PERMIT										
znone		REQUIREMENT										
		SAMPLE MEASUREMENT										
		PERMIT										
znone		REQUIREMENT										
		SAMPLE MEASUREMENT										

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAJOR
NAME BP PRODUCTS NORTH AMERICA INC. F - FINAL
ADDRESS WHITING REFINERY OMB No. 2040-0004
2815 INDIANAPOLIS BOULEVARD IN EFFLUENT
WHITING 46394
BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

IN0000108
PERMIT NUMBER

DISCHARGE NUMBER



MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
02 09 01 02 09 30
For Any Questions call Jeff Ewick at 317-233-0676
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX			
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	3	3	(19)	0	5	TIME /WEEK	GRAB
00680 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL		6	TIMES/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0	1	(19)	0	5	TIME /WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL		5	TIMES/WEEK	GRAB
00680 0 0 0	SAMPLE MEASUREMENT	*****	*****		*****	2	3	(19)	0	5	TIME /WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL		5	TIMES/WEEK	GRAB
00680 0 0 0	PERMIT REQUIREMENT	*****	*****		*****	2	3	(19)	0	5	TIME /WEEK	GRAB
INTAKE FROM STREAM	SAMPLE MEASUREMENT	91.1	96.6	(03)	*****	*****	*****	*****	0	DAILY	CONTIN	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	*****	*****	MCD	*****	*****	*****	*****		DAILY	CONTIN	
50050 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	2.0, 0.4	2.0, 0.4	(19)	0	1X /WEEK	GRAB	
CHLORINE, TOTAL RESIDUAL	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL		WEEKLY	GRAB	
50060 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	*****	0	ONCE / MONTH	RECTOT	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	(3R)	*****	*****	*****	*****		ONCE / MONTH	RECTOT	
82220 1 0 0	SAMPLE MEASUREMENT	*****	2732.3	MGAL	*****	*****	*****	*****		ONCE / MONTH	RECTOT	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT MO TOTAL		*****	*****	*****	*****		ONCE / MONTH	RECTOT	
21096	SAMPLE MEASUREMENT											
21096	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.										
Authorized Agent: Ashok K. Jhawar Business Unit Leader Whiting Business Unit		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
TYPED OR PRINTED		AREA CODE NUMBER YEAR MO DAY										

Authorized Agent: Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

Signature of Ashok K. Jhawar
Signature of Principal Executive Officer or Authorized Agent

TELEPHONE 219 473-3179
DATE 0002 10 28

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

IN0000108
PERMIT NUMBER
DISCHARGE NUMBER

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
02 09 01 02 09 30

For Any Questions call Jeff Ewick at 317-233-0676
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form

MAJOR F - FINAL EFFLUENT
Form Approved OMB No. 2040-0004
Approval Expires 05-31-98
* I N 0 0 0 0 1 0 8 0 0 2 A 0 9 0 2 *

PARAMETER		QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****		*****						5 TIME /WEEK	CONTIN	
00010 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	REPORT DAILY.MX	DEG.C	0	5 TIMES/WEEK	CONTIN		
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****		*****			(04)	0	5 TIME /WEEK	CONTIN		
00010 0 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	27 REPORT MO.AVG	29 REPORT DAILY.MX	DEG.C	0	5 TIMES/WEEK	CONTIN		
INTAKE FROM STREAM	SAMPLE MEASUREMENT	607	722	(05)	*****				0	5 TIME /WEEK	CONTIN		
WASTE HEAT REJECTION RATE	PERMIT REQUIREMENT	1700 MO.AVG	2000 MX.DA.AV	MBTU/HR	*****	*****	*****	*****	0	5 TIME /WEEK	CONTIN		
00179 0 0 0	SAMPLE MEASUREMENT	*****	*****		*****				0	5 TIME /WEEK	CONTIN		
EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	*****	*****	7.9 MINIMUM	*****	8.4 MAXIMUM	(12)	0	THREE / WEEK	GRAB		
PH	SAMPLE MEASUREMENT	*****	*****		*****			SU	0	THREE / WEEK	GRAB		
00400 1 0 0	PERMIT REQUIREMENT	*****	*****		*****				0	THREE / WEEK	GRAB		
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	40.3 REPORT MO.AVG	0.4 DAILY.MX	(19)	0	THREE / WEEK	GRAB		
00560 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MGL	0	THREE / WEEK	GRAB		
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****				0	THREE / WEEK	GRAB		
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****		*****	40.3 REPORT MO.AVG	0.4 DAILY.MX	(19)	0	THREE / WEEK	GRAB		
00560 0 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MGL	0	THREE / WEEK	GRAB		
EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	*****		*****				0	THREE / WEEK	GRAB		
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****		*****	40.3 REPORT MO.AVG	40.3 DAILY.MX	(19)	0	THREE / WEEK	GRAB		
00560 0 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MGL	0	THREE / WEEK	GRAB		
INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	*****	*****				0	THREE / WEEK	GRAB		
00560 0 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****				0	THREE / WEEK	GRAB		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER												TELEPHONE	DATE
Authorized Agent: Ashok K. Jhawar												219 473-3179	2002 10 28
Ashok K. Jhawar Business Unit Leader													
Whiting Business Unit													
TYPED OR PRINTED													
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.													

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

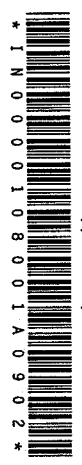
FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

IN0000108		001A	
PERMIT NUMBER		DISCHARGE NUMBER	

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
02	09	01	02	09	30

MAJOR F - FINAL EFFLUENT
Form Approved OMB No. 2040-0004
Approval Expires 05-31-98
For Any Questions call Jeff Ewick at 317-233-0676
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form



PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	2.0.8	2.0.9	(26)	*****	2.0.005	2.0.005	(19)	1X /WEEK	COMP
01032	PERMIT REQUIREMENT	2.01 MO.AVG	4.48 DAILY.MX	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	0	WEEKLY	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.1.6	2.1.7	(26)	*****	2.0.01	2.0.01	(19)	1X /WEEK	COMP
CHROMIUM, TOTAL (AS CR)	PERMIT REQUIREMENT	23.9 MO.AVG	68.53 DAILY.MX	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	0	WEEKLY	COMP24
01034	SAMPLE MEASUREMENT	*****	*****	(26)	*****	*****	*****	(28)	THREE /WEEK	COMP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	2.3 DAILY.MX	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	0	SEMI-ANNUAL	COMP24
SELENIUM, TOTAL (AS SE)	SAMPLE MEASUREMENT	2.1.79	4.90	(26)	*****	2.0.01	0.03	(19)	THREE /WEEK	COMP
01147	PERMIT REQUIREMENT	20.33 MO.AVG	73.01 DAILY.MX	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	0	THREE /WEEK	COMP24
PHENOLICS, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	18.2	21.9	(03)	*****	*****	*****	0	DAILY	CONTIN
32730	PERMIT REQUIREMENT	1.8.2 MO.AVG	2.1.9 DAILY.MX	MGD	*****	*****	*****	0	DAILY	CONTIN
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(19)	*****	*****	*****	0	WEEKLY	COMP
50050	PERMIT REQUIREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
CHLORINE, TOTAL RESIDUAL	PERMIT REQUIREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
50060	SAMPLE MEASUREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
74055	PERMIT REQUIREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(13)	*****	*****	*****	0	WEEKLY	COMP

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent: Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)
*Chlorine testing required only when chlorinating this stream.
**Fecal coliform testing required only when refinery sanitary sewers are discharging to the WWTP.

INDUSTRIAL MAJOR LAKE COUNTY

EPA FORM 3320-1 (08-95) Revised by Indiana (August 2001) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.) Mail Preprinted Forms to IDEM (No Photo Copies) Page 2



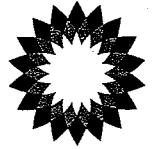
For Any Questions call Jeff Ewick at 317-233-0676
*** NO DISCHARGE ***
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PARAMETER	X	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				EX	OF ANALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
OD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	375	1021	(26)	*****	2.4	6.0	(19)	0	5	TIME	COMP
0310 1 0 0	PERMIT REQUIREMENT	4161	8164	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MG/L	0	5	TIME	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	9405	16238	(26)	*****	63	117	(19)	0	3	WEEK	COMP
0335 1 0 0	PERMIT REQUIREMENT	30323	58427	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MG/L	0	3	WEEK	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	7.4	*****	8.0	(12)	0	3	WEEK	GRAB
0400 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	6.5	*****	9	SU	0	3	WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1346	2042	(26)	*****	8.8	12.8	(19)	0	5	TIME	COMP
00530 1 0 0	PERMIT REQUIREMENT	3646	5694	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MG/L	0	5	WEEK	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	319	1140	(26)	*****	2.1	6.7	(19)	0	5	WEEK	GRAB
00560 1 0 0	PERMIT REQUIREMENT	1368	2600	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MG/L	0	5	WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	431	183	(26)	*****	4.0	1.50	(19)	0	5	WEEK	COMP
00610 1 0 0	PERMIT REQUIREMENT	1030	2060	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MG/L	0	5	WEEK	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.7	6.5	(26)	*****	0.02	0.04	(19)	0	1	WEEK	COMP
00745 1 0 0	PERMIT REQUIREMENT	23.1	51.4	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MG/L	0	1	WEEK	COMP24
EFFLUENT GROSS VALUE	REQUIREMENT	MO AVG	DAILY MX									
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER										TELEPHONE		
Authorized Agent: Ashok K. Jhawar Business Unit Leader Whiting Business Unit										DATE		
TYPED OR PRINTED										219 1473-3179		
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										219 1473-3179		
AREA CODE										NUMBER		
										YEAR		
										MO		
										DAY		



Ashok K. Jhawar

Business Unit Leader
Whiting Business Unit



BP Products North America Inc.
2815 Indianapolis Boulevard
Whiting, IN 46394-0710
USA

DEC 5 11 03 AM '02

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

November 26, 2002

Indiana Department of Environmental Management
OWQ Data Management Section
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

Direct 219 473 3179
Fax 219 473 3504
Mobile 219 712 0223
jhawarak@bp.com

NPDES Permit No. 0000108, Serials 001, 002, 003, and 004

Effluent quality data and Discharge Monitoring Report forms from the BP Products North America Inc. - Whiting Business Unit for the month of October, 2002, are attached. Effluent quality from the wastewater treatment plant for the month was excellent. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need any additional information, please contact R. A. Harris at (219) 473-3321.

Sincerely,

Ashok K. Jhawar
Business Unit Leader

Attachments

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108

Oct-02 OCT STORM WATER RUNOFF

----OUTFALL 004----

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER
CODE: pH
LIMITS: C00400 6-9 OIL C00550 15 TOC C00680 110

DATA	MAX.			
1	-----	mg/l	mg/l	closed
2	-----			closed
3	-----			closed
4	-----			closed
5	-----			closed
6	-----			closed
7	-----			closed
8	-----			closed
9	-----			closed
10	-----			closed
11	-----			closed
12	-----			closed
13	-----			closed
14	-----			closed
15	-----			closed
16	-----			closed
17	-----			closed
18	-----			closed
19	-----			closed
20	-----			closed
21	-----			closed
22	-----			closed
23	-----			closed
24	-----			closed
25	-----			closed
26	-----			closed
27	-----			closed
28	-----			closed
29	-----			closed
30	-----			closed
31	-----			closed

AVERAGE 0.0 0.0 0

HIGHEST VAL. 0.0
LOWEST VAL. 0.0
OVER LIMIT 0

CERTIFIED OPERATOR:

David J. Allen

NO. 14118 exp. 6/30/04

DATE:

ENVIRONMENTAL ENGINEER:

David J. Allen 11-25-04

Per 5 11 05 11/02

11-25-04

**BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO. IN0000108

Oct-02 OCT STORM WATER RUNOFF

-----OUTFALL 003-----

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER			
CODE:	pH	OIL	TOC
LIMITS:	C00400	C00550	C00680
	6-9	15	110
MAX.			

DATA		mg/l	mg/l	
1	-----	-----	-----	closed
2	-----	-----	-----	closed
3	-----	-----	-----	closed
4	-----	-----	-----	closed
5	-----	-----	-----	closed
6	-----	-----	-----	closed
7	-----	-----	-----	closed
8	-----	-----	-----	closed
9	-----	-----	-----	closed
10	-----	-----	-----	closed
11	-----	-----	-----	closed
12	-----	-----	-----	closed
13	-----	-----	-----	closed
14	-----	-----	-----	closed
15	-----	-----	-----	closed
16	-----	-----	-----	closed
17	-----	-----	-----	closed
18	-----	-----	-----	closed
19	-----	-----	-----	closed
20	-----	-----	-----	closed
21	-----	-----	-----	closed
22	-----	-----	-----	closed
23	-----	-----	-----	closed
24	-----	-----	-----	closed
25	-----	-----	-----	closed
26	-----	-----	-----	closed
27	-----	-----	-----	closed
28	-----	-----	-----	closed
29	-----	-----	-----	closed
30	-----	-----	-----	closed
31	-----	-----	-----	closed

AVERAGE 0.0 0.0 0

HIGHEST VAL. 0.0 0.0 0

LOWEST VAL. 0.0 0.0 0

OVER LIMIT 0 0 0

CERTIFIED OPERATOR:

David P. Olsen

NO. 14118 exp. 6/30/04

DATE:

ENVIRONMENTAL ENGINEER:

Oct 5 11 03 AM '02

11/03/02

David P. Olsen

**BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO IN0000108 OUTFALL 002 Oct-02 OCT COOLING WATER EFFLUENT

PARAMETER	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	IN-OIL	OUT-OIL	DELTA OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL
CODE	Q50050		C00010	C99003	C00400		C00550		C99680	C00680		

SAMPLE TYPE	PERMIT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB

FREQUENCY	PERMIT	5/7	5/7	5/7	3/7	3/7	3/7	3/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	CONT	CONT	CONT	3/7	3/7	3/7	5/7	5/7	5/7	5/7	1/7

LIMITS: AVG.	MAX.	1.70	2.00	7.9								
DATE	MG/D	DEG C	DEG C	GBTU/HR	pH	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l

1	91.4	24	35	0.628	8.3	<0.3	<0.3	<0.3	3	3	0	<0.04
2	91.1	24	35	0.626	8.3	<0.3	<0.3	<0.3	2	3	1	<0.04
3	90.3	25	36	0.621					2	3	0	
4	91.2	24	35	0.627	8.3	<0.3	<0.3	<0.3	2	3	1	
5	91.5	23	34	0.629								
6	91.6	23	35	0.687								
7	91.4	23	34	0.628	8.2	<0.3	<0.3	<0.3	3	3	0	
8	89.7	22	34	0.672					2	3	1	<0.04
9	89.4	22	33	0.614	8.2	<0.3	<0.3	<0.3	2	3	0	
10	89.4	21	32	0.614					2	3	0	
11	79.7	21	32	0.548	8.3	<0.3	0.3	0.3	2	3	1	
12	95.6	22	33	0.657								
13	96.0	22	33	0.660								
14	96.7	21	33	0.725	8.3	<0.3	<0.3	<0.3	2	3	0	
15	94.3	20	32	0.707					2	3	0	<0.04
16	93.3	19	31	0.699	8.3	<0.3	<0.3	<0.3	2	3	0	
17	93.7	18	31	0.761					2	3	0	
18	95.2	18	30	0.714	8.1	<0.3	<0.3	<0.3	3	3	0	
19	94.9	18	30	0.711								
20	95.7	17	30	0.777								
21	95.6	17	29	0.717	8.2	<0.3	<0.3	<0.3	2	2	0	
22	94.4	17	29	0.708					2	2	0	<0.04
23	93.9	16	29	0.763	8.2	<0.3	<0.3	<0.3	2	3	1	
24	94.0	15	29	0.822					2	3	1	
25	94.4	15	29	0.826	8.1	<0.3	<0.3	<0.3	3	3	1	
26	93.2	15	29	0.815								
27	92.5	15	29	0.809								
28	92.9	14	32	1.045	8.1	<0.3	<0.3	<0.3	2	3	0	
29	91.7	13	31	1.031					2	3	0	<0.04
30	91.0	13	31	1.023	8.2	<0.3	<0.3	<0.3	2	3	0	
31	92.0	13	31	1.035					2	3	0	

AVERAGE	92.5	20	32	0.739	8.2	<0.3	<0.3	<0.3	2	3	0	<0.04
HIGHEST VAL.	96.7	25	36	1.045	8.3	<0.3	0.3	0.3	3	3	1	<0.04
LOWEST VAL.	79.7	13	29	0.548	8.1	<0.3	<0.3	<0.3	2	2	0	<0.04
OVER LIMIT	0			0	0						0	
TOTAL	2867.7											

CERTIFIED OPERATOR: *David L. Olson* NO. 14118 exp. 6/30/04 DATE: ENVIRONMENTAL ENGINEER: *Robert A. Shaw* 11-05-02

11-05-02
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